

# NEWPORT WWTF

Newport built its first facility in 1955, a primary treatment plant discharging into Newport harbor. That facility remained almost unchanged until 1991 when, after significant delays, the city took advantage of state and federal money to build a new secondary-level facility. Because of that new plant (as seen in the trend chart at the bottom of the next page) the facility saw marked improvements in treatment. The city is currently in the process of finding a qualified operations firm to enter into a long-term lease. The facility, located on J.T. Connell Highway discharges into Narragansett Bay's East Passage.



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## CURRENT AND FUTURE CONCERNS

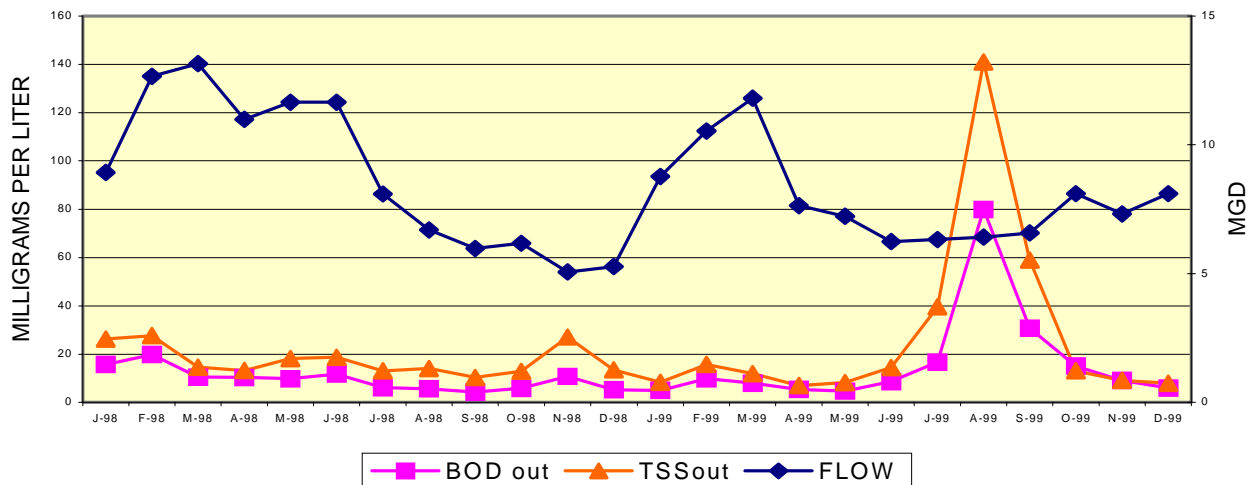
The City of Newport's Permit was issued November 10, 1997. A Consent Agreement was finalized November 23, 1999, and includes interim limits and schedules for compliance with the 1997 permit limits for total residual chlorine and wet weather discharges from combined sewer overflows.

## Overall Treatment: Poor

Having one monthly violation for flow in March of 1998, 3 monthly violations for BOD (October 1998 and August and September 1999), three monthly violations for TSS (July through September 1999), and two fecal coliform violations (August and September 1999), Newport received a rating of Poor. Most of the violations resulting in a "Poor" rating occurred because of 2-3 months of biological process upsets. Outside of that period, overall treatment was generally good to excellent.

\*Mr. Anderson is the City's Director of Public Works. The City currently has no full-time superintendent.

NEWPORT EFFLUENT DATA - 1998/1999



# BEGAN OPERATION 1955

## ANNUAL SURVEY

PARAMETER	1996	1997	1998	1999	PERMIT LIMIT	VIOLATIONS 1998/1999
FLOW (MGD)	9.8	7.5	8.9	7.9	10.7	1/0
BOD INFLUENT (MG/L)	111.8	129.6	122.2	221.9		
BOD EFFLUENT (MG/L)	7.8	6.8	9.7	16.6	30	1/2
BOD INFLUENT (LBS./DAY)	8750.9	7782.0	8118.6	13623.9		
BOD EFFLUENT (LBS./DAY)	669.8	436.3	784.0	991.9		
BOD % REMOVAL	92.3	94.1	90.3	92.7		
TSS INFLUENT (MG/L)	95.8	102.1	100.2	207.0		
TSS EFFLUENT (MG/L)	11.9	10.6	17.4	27.9	30	0/3
TSS INFLUENT (LBS./DAY)	7550.2	6123.2	6654.0	12496.0		
TSS EFFLUENT (LBS./DAY)	1001.2	663.8	1319.7	1641.0		
TSS % REMOVAL	86.6	88.6	80.2	86.9		
FECAL COLIFORM (MPN/100ML)	16.9	22.0	18.3	34.6	200.0	0/2
CHLORINE RESIDUAL (MG/L)			1.3	0.7	2.0*	0/1

\*Daily Maximum Limit

## Operation & Maintenance

There were a number of major pump station upgrades in the City in 1998 and 1999. The City formed an Odor Committee in cooperation with local residents to help identify and control odors. There were three pump station bypasses reported in 1999. The RIDEM continues to monitor the city's efforts to comply with a negotiated consent agreement that had resulted from legal action taken by RIDEM; this legal action resulted after ongoing maintenance problems resulted in bypasses of raw sewage at City pump stations.

1998 O&M Rating: 6 out of 10

1999 O&M Rating: 7 out of 10

1998 Laboratory Rating: 5 out of 5

1999 Laboratory Rating: 5 out of 5

**Overall O&M Rating: Fair**

### 1998 SLUDGE DISPOSAL METHOD

Incineration (NETCO)

### SLUDGE PRODUCED

1821 DRY TONS

### 1999 SLUDGE DISPOSAL METHOD

Incineration (NETCO)

### SLUDGE PRODUCED

1992 DRY TONS

Sludge generated by the facility is transported in liquid form to the NETCO-operated incinerator in Woonsocket for disposal.

## NEWPORT 1986 -1999 DATA

